

# Product data sheet

Specifications



## smart communication module, Modicon M262, CANOpen, 1 SubD9

TMSCO1

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### Main

|                           |                            |
|---------------------------|----------------------------|
| Range of Product          | Modicon M262               |
| Product or Component Type | Smart communication module |

### Complementary

|                             |                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------|
| Range Compatibility         | Modicon M262                                                                                                   |
| Current consumption         | 50 mA 24 V                                                                                                     |
| Number of module per PLC    | 1 maximum per logic controller<br>1 maximum per motion controller                                              |
| Services                    | Maximum 63 slave nodes                                                                                         |
| Communication Port Protocol | CANOpen                                                                                                        |
| Local signalling            | 1 LED (green) for PWR<br>1 LED (green/red) for MOD STS<br>1 LED (green) for CAN RUN<br>1 LED (red) for CAN ERR |
| Mounting support            | Top hat type TH35-15 rail IEC 60715<br>Top hat type TH35-7.5 rail IEC 60715<br>plate or panel with fixing kit  |
| Width                       | 1.2 in (30 mm)                                                                                                 |
| Height                      | 3.9 in (100 mm)                                                                                                |
| Depth                       | 3.5 in (88.3 mm)                                                                                               |

### Environment

|                                       |                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | UL 61010-1<br>UL 61010-2-201<br>CSA C22.2 No 61010-1<br>CSA C22.2 No 61010-2-201<br>CSA C22.2 No 213<br>ANSI/ISA 12-12-01<br>IEC 61131-2      |
| Product Certifications                | CE<br>cULus<br>RCM<br>EAC (pending)<br>Achilles                                                                                               |
| Resistance to electrostatic discharge | 4 kV on contact IEC 61000-4-2<br>8 kV on air IEC 61000-4-2                                                                                    |
| Resistance to electromagnetic fields  | 9.1 V/m (10 V/m) 80 MHz...1 GHz IEC 61000-4-3<br>2.7 V/m (3 V/m) 1.4 GHz...2 GHz IEC 61000-4-3<br>0.9 V/m (1 V/m) 2 GHz...3 GHz IEC 61000-4-3 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                       |                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance to fast transients         | 2 kV IEC 61000-4-4 power lines)<br>1 kV IEC 61000-4-4 Ethernet line)<br>1 kV IEC 61000-4-4 serial link)<br>1 kV IEC 61000-4-4 input)<br>1 kV IEC 61000-4-4 transistor output)                                                                                                                                                                    |
| Resistance to conducted disturbances  | 10 V 0.15...80 MHz IEC 61000-4-4<br>3 V 0.1...80 MHz Marine specification (LR, ABS, DNV, GL)<br>10 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) Marine specification (LR, ABS, DNV, GL)                                                                                                                                    |
| Electromagnetic emission              | Conducted emissions 120...69 dBµV/m QP power lines)10...150 kHz IEC 55011<br>Conducted emissions 63 dBµV/m QP power lines)1.5...30 MHz IEC 55011<br>Radiated emissions 40 dBµV/m A30...230 kHz IEC 55011<br>Conducted emissions 79...63 dBµV/m QP power lines)150...1500 kHz IEC 55011<br>Radiated emissions 47 dBµV/m A230...1000 MHz IEC 55011 |
| Ambient Air Temperature for Operation | -4...140 °F (-20...60 °C) horizontal installation<br>-4...122 °F (-20...50 °C) vertical installation                                                                                                                                                                                                                                             |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                                                                                                                                                                                                                                                                                       |
| Relative humidity                     | 10...95 %, without condensation in operation)<br>10...95 %, without condensation in storage)                                                                                                                                                                                                                                                     |
| IP degree of protection               | IP20                                                                                                                                                                                                                                                                                                                                             |
| Pollution degree                      | 2                                                                                                                                                                                                                                                                                                                                                |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)                                                                                                                                                                                                                                                                                                                      |
| Storage altitude                      | 0...9842.5 ft (0...3000 m)                                                                                                                                                                                                                                                                                                                       |
| Vibration resistance                  | 3.5 mm 2...8.4 Hz symmetrical rail<br>1 gn 8.4...200 Hz symmetrical rail<br>3.5 mm 2...8.4 Hz panel mounting<br>1 gn 8.4...200 Hz panel mounting                                                                                                                                                                                                 |
| Shock resistance                      | 15 gn 11 ms                                                                                                                                                                                                                                                                                                                                      |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10MSX22533  |
| Discount Schedule | 0MSX          |
| GTIN              | 3606489604240 |
| Returnability     | No            |
| Country of origin | ID            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Nbr. of units in pkg.        | 1                        |
| Package 1 Height             | 2.480 in (6.300 cm)      |
| Package 1 Width              | 4.646 in (11.800 cm)     |
| Package 1 Length             | 6.654 in (16.900 cm)     |
| Package weight(Lbs)          | 8.889 oz (252.000 g)     |
| Unit Type of Package 2       | S03                      |
| Number of Units in Package 2 | 16                       |
| Package 2 Height             | 11.811 in (30.000 cm)    |
| Package 2 Width              | 11.811 in (30.000 cm)    |
| Package 2 Length             | 15.748 in (40.000 cm)    |
| Package 2 Weight             | 10.362 lb(US) (4.700 kg) |

# Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 55 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 4 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 52 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.2 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| SCIP Number                            | Cd18cbbc-b2da-42a3-95b5-fa0e717ff342                                                                                                                                                                                                                                                        |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                      |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| PVC free                               | Yes                                                                                                                                                                                                                                                                                         |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                               |                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 35                                                                                                                                                                                                               |
| Circularity Profile           | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                     | No                                                                                                                                                                                                               |
| WEEE Label                    |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Side and Front Views

